

Title (en)  
ELECTRODE SHEET, AND ELECTROCHEMICAL DEVICE AND ELECTRONIC DEVICE COMPRISING SAME

Title (de)  
ELEKTRODENFOLIE UND ELEKTROCHEMISCHE VORRICHTUNG UND ELEKTRONISCHE VORRICHTUNG DAMIT

Title (fr)  
FEUILLE D'ÉLECTRODE, ET DISPOSITIF ÉLECTROCHIMIQUE ET DISPOSITIF ÉLECTRONIQUE LA COMPRENANT

Publication  
**EP 4131460 A1 20230208 (EN)**

Application  
**EP 20928766 A 20200402**

Priority  
CN 2020082932 W 20200402

Abstract (en)  
This application relates to an electrode plate, an electrochemical apparatus, and an electronic apparatus containing the same. The electrode plate includes a current collector, a first active substance layer, a second active substance layer, and an insulation layer. The current collector includes a first surface, the first active substance layer includes a first active substance, and the second active substance layer includes a second active substance. The first active substance layer is sandwiched between the current collector and the second active substance layer and covers a first portion of a first surface of the current collector, the insulation layer covers a second portion of the first surface of the current collector that is different from the first portion, and in a length direction of the electrode plate, the first active substance layer includes a first end and a second end, the insulation layer includes a third end and a fourth end, and the first end and the third end are stacked to form an overlapped portion. The current collector of the electrode plate can be covered by a high-resistance layer, improving safety performance of the electrochemical apparatus and the electronic apparatus.

IPC 8 full level  
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CPC (source: EP US)  
**H01M 4/13** (2013.01 - US); **H01M 4/366** (2013.01 - EP US); **H01M 4/62** (2013.01 - US); **H01M 4/622** (2013.01 - EP); **H01M 10/4235** (2013.01 - EP); **H01M 50/586** (2021.01 - US); **H01M 4/525** (2013.01 - EP US); **H01M 4/5825** (2013.01 - EP US); **H01M 4/623** (2013.01 - EP US); **H01M 4/625** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

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